

## Session Program

17-20 Jun 2026



## 4th Training School of COST Action COSMIC WISPERS (CA21106)

### *Student's talks*

Corfu (Greece), Mon Repos Palace

# Wednesday 17 June

17:00

## Student's talks

Session | Location: Corfu (Greece), Mon Repos Palace

17:00-17:10 **Axion or Torsion?**

**Speaker**

Theo Abounnasr Martins

17:10-17:20

**Multimessenger Astronomy Beyond the Standard Model: New Window from Quantum Sensors**

**Speaker**

Jason Arakawa

17:20-17:30

**Neutrino Oscillations and Ultra Light Dark Matter**

**Speaker**

Martina Beccaria

17:30-17:40

**Gravitationally produced Dark Matter in the Early Universe**

**Speaker**

Giuliana Cagnina

17:40-17:50

**Constraining exotic high-z reionization histories with Gaussian processes and the Cosmic Microwave Background**

**Speaker**

Hanyu Cheng

17:50-18:00

**Fractionally charged particles of the Standard Model**

**Speaker**

Despoina Dimakou

18:00

# Thursday 18 June

16:30

## Student's talks

Session | Location: Corfu (Greece), Mon Repos Palace

16:30-16:40 **Discovering the Stringy Axiverse via Fifth Forces**

**Speaker**

Alexander Eberhart

16:40-16:50 **Models and constraints of pseudo Goldstone Dark matter detection**

**Speaker**

Sarah Farzand

16:50-17:00

**Nonthermal Nuclear Injections as Stellar Production Mechanisms for Weakly Interacting Light Particles**

**Speaker**

Víctor Fonoll

17:00-17:10 **Axion dynamics in spin-1/2 quantum plasmas**

**Speaker**

Henrique Goncalves

17:10-17:20

**Probing the Sub-GeV Dark Photons via Neutrino-Electron Scattering in Direct Detection Experiments**

**Speaker**

Gursel KAZIL

17:20-17:30

**Constraining Pseudo Nambu-Goldstone Bosons from Cosmic Strings with Cosmological Observables**

**Speaker**

Antonios Kyriazis

17:30-17:40 **On the potential of pseudo-scalar dark energy**

**Speaker**

Yunzhi Wu

17:40

# Friday 19 June

16:30

## Student's talks

Session | Location: Corfu (Greece), Mon Repos Palace

16:30-16:40 **Polarimetric Microlensing as a Probe of Axion Dark Matter**

**Speaker**

Marsida Laze

16:40-16:50 **Detecting light axions from supernovae in nearby galaxies**

**Speaker**

Francesca Lecce

16:50-17:00

**Matter- and magnetically-driven flavor conversion of neutrinos in magnetorotational collapses**

**Speaker**

Marco Manno

17:00-17:10 **Let's save High Quality Axion Models!**

**Speaker**

Camilla Mupo

17:10-17:20

**Measuring vacuum magnetic birefringence with levitating magnets rotating at high frequency**

**Speaker**

Ryan Netrval

17:20-17:30

**Gravitational waves from a dilaton induced first order QCD phase transition**

**Speaker**

Charalampos Nikolis

17:30-17:40 **Do neutrinos dream in 5D?**

**Speaker**

Dhruv Pasari

17:40-17:50

**Stringy Quintessence: a dynamical and Bayesian analysis of the axio-dilaton scenario**

**Speaker**

Mario Ramos Hamud

17:50-18:00 **QCD Axion Detection with Stripped Envelope Supernovae**

**Speaker**

Francisco Rodriguez Candon

18:20

# Saturday 20 June

16:30

## Student's talks

Session | Location: Corfu (Greece), Mon Repos Palace

16:30-16:40 **Exploring the  $m_a > f_a$  region for Lepto-philic ALPs**

**Speaker**

Samuel Rosende

16:40-16:50

**4D Fuzzy Gravity on a Covariant Noncommutative Space and Unification with Internal Interactions**

**Speaker**

Stelios Stefas

16:50-17:00 **Axions and early matter dominated eras**

**Speaker**

Noelia Sánchez González

17:00-17:10 **NuSTAR constraints on axion-electron coupling**

**Speaker**

Tiziano Zanzarella

17:10-17:20

**Inflation from a generalized exponential plateau: towards extra suppressed tensor-to-scalar ratios**

**Speaker**

Gerasimos Kouniatalis

17:20-17:30

**Probe exotic energy injection from dark sectors through cosmic reionization**

**Speaker**

Ziwen Yin

17:30